

Fig. 1

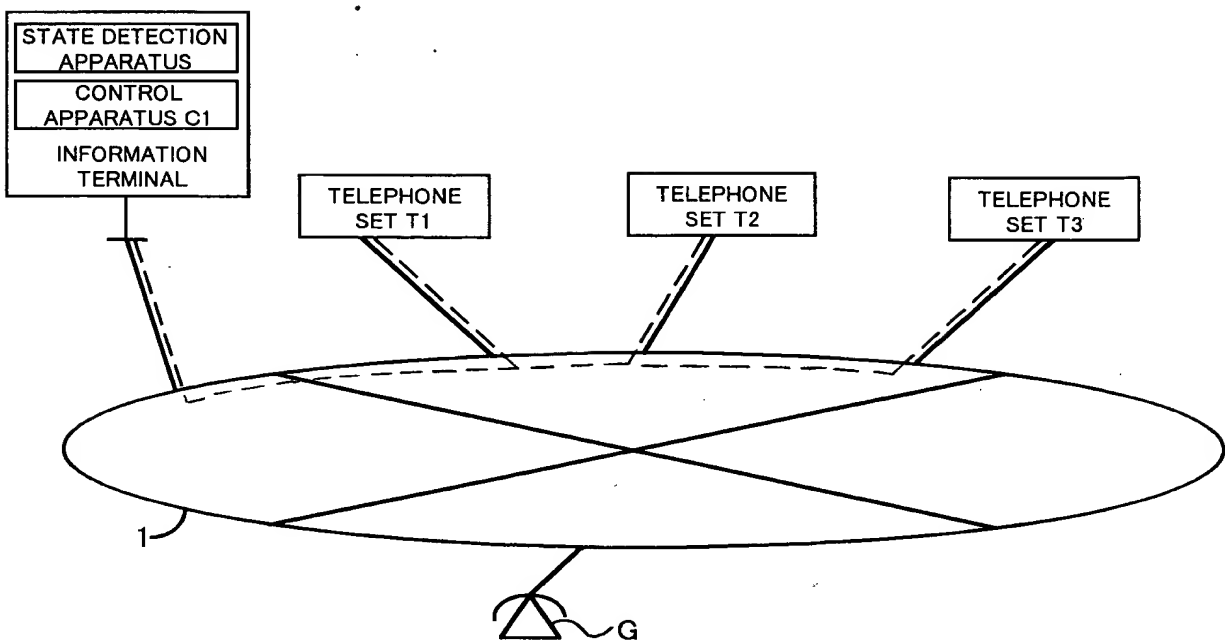


Fig. 2

CONFIGURATION OF TELEPHONE SET

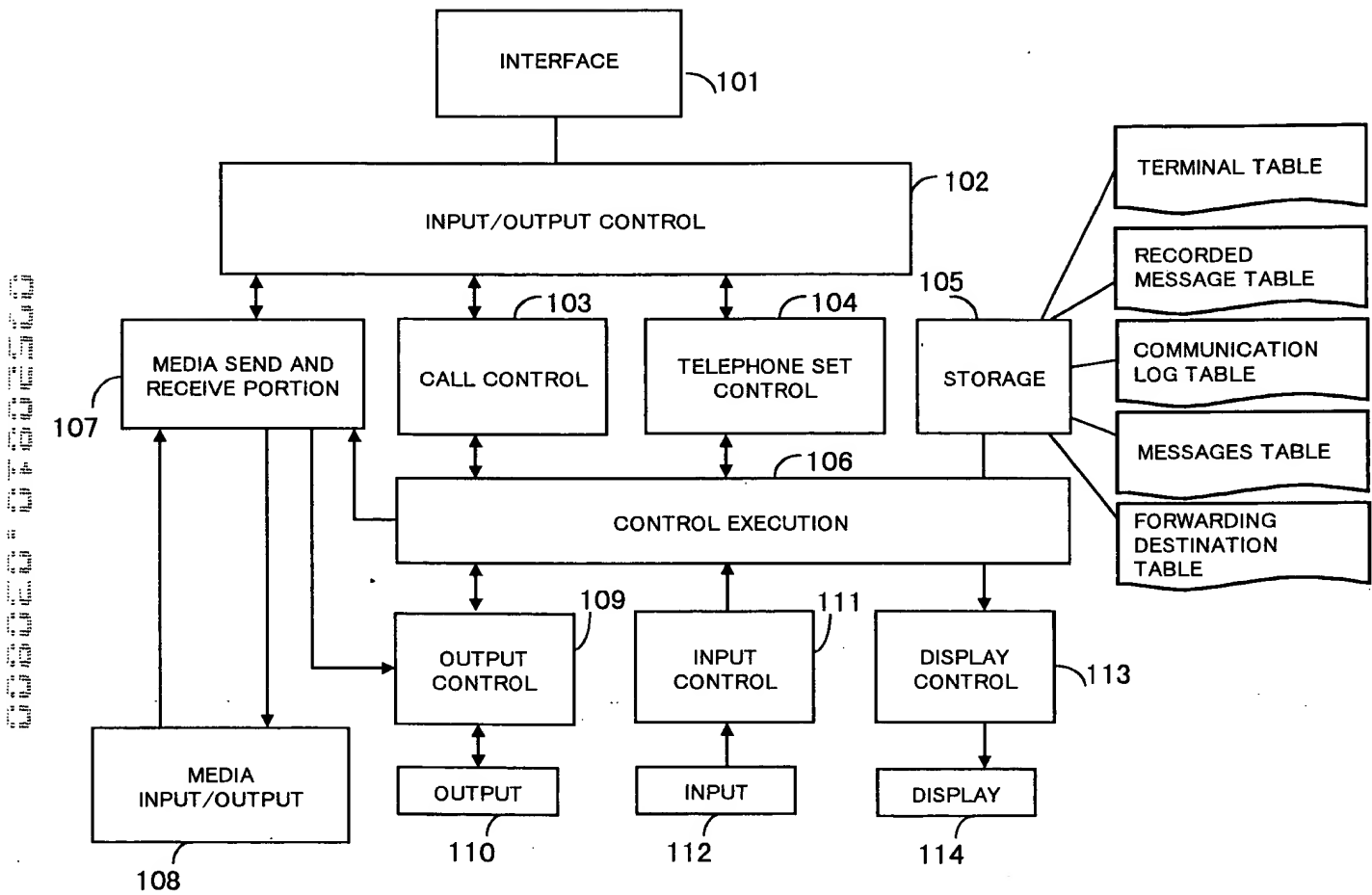


Fig. 3

TERMINAL TABLE

TERMINAL	IP ADDRESS	USER NAME	PERSONAL IDENTIFICATION NUMBER
C1	10.254.211.10	user-A	007

Fig. 4

MESSAGES TABLE

CALLING PARTY IP ADDRESS	CALLING PARTY NAME	MESSAGE
10.254.211.14	Taro Fujitsu	Since I am out of the office on a business trip today,...
⋮	⋮	

Fig. 5

FORWARDING DESTINATION TABLE

CALLING PARTY IP ADDRESS	CALLING PARTY INFORMATION*	TIME	FORWARDING DESTINATION ADDRESS	FORWARDING DESTINATION INFORMATION
10.254.211.18	Goemon Fujitsu	17:00-8:00	10.254.211.12	President' Office (Tokyo)
10.254.211.16	Saburo Fujitsu		10.254.211.13	Vice President's Office (Osaka)
⋮	⋮	⋮		

Fig. 6

CONFIGURATION OF CONTROL APPARATUS

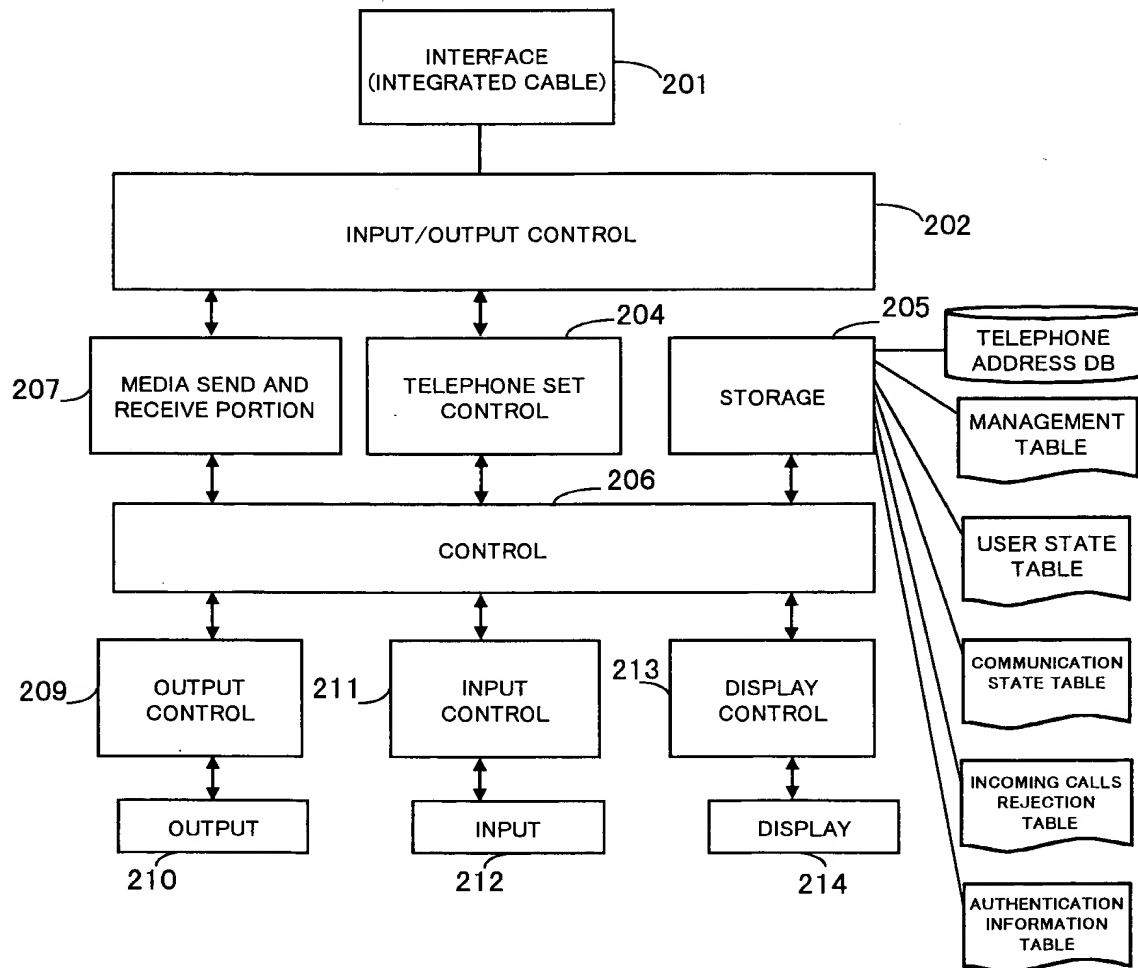


Fig. 7A
MANAGEMENT TABLE

C1			
T1	On the desk	10.254.211.11	Buttons 1,2,3,Display
T2	President's Office (Tokyo)	10.254.211.12	Buttons 1,2,3,Display
T3	Vice President's Office(Osaka)	10.254.211.13	Buttons 1,2,3,Display

Fig. 7B
USER STATE TABLE

C1		
T1	On the desk	Absent
T2	President's Office (Tokyo)	Present
T3	Vice President's Office(Osaka)	Present

Fig. 7C
COMMUNICATION STATE TABLE

C1		
T1	On the desk	Free
T2	President's Office (Tokyo)	Connection in Progress
T3	Vice President's Office(Osaka)	Free

Fig. 7D
AUTHENTICATION
INFORMATION TABLE

USER NAME	PERSONAL INDENTIFICATION NUMBER
user—A	007

Fig. 7E
INCOMING CALLS REJECTION TABLE

CALLING PARTY	MESSAGE
Saburo Fujitsu	The telephone number has changed……
Jiro Fujitsu	This telephone number is presently……

Fig. 8

FLOW OF PROCESSING PERFORMED BY TELEPHONE SET

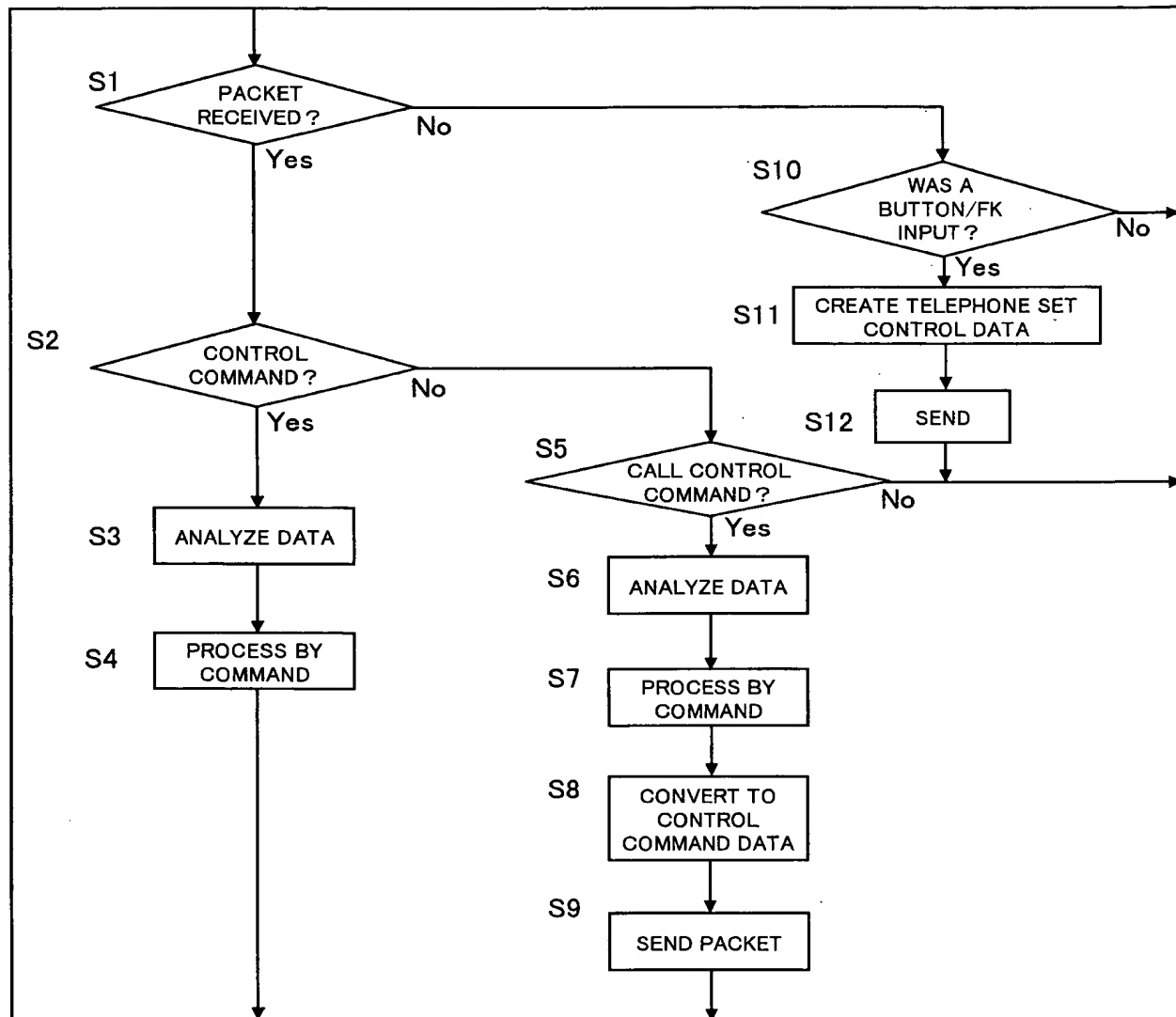


Fig. 9A

FLOW OF PROCESSING PERFORMED BY CONTROL APPARATUS

MONITORING PROCESSING

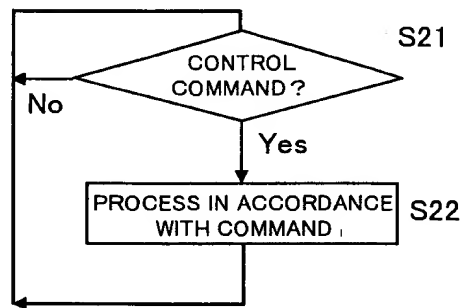


Fig. 9B

FLOW OF PROCESSING PERFORMED BY CONTROL APPARATUS

CONTROL PROCESSING

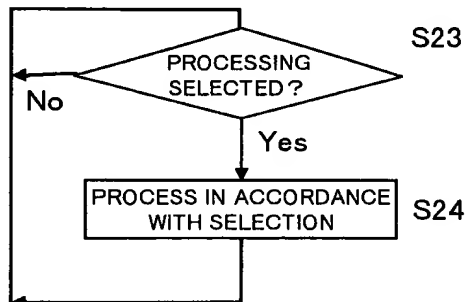


Fig. 10

EXAMPLE OF STATE NOTIFICATION WINDOW

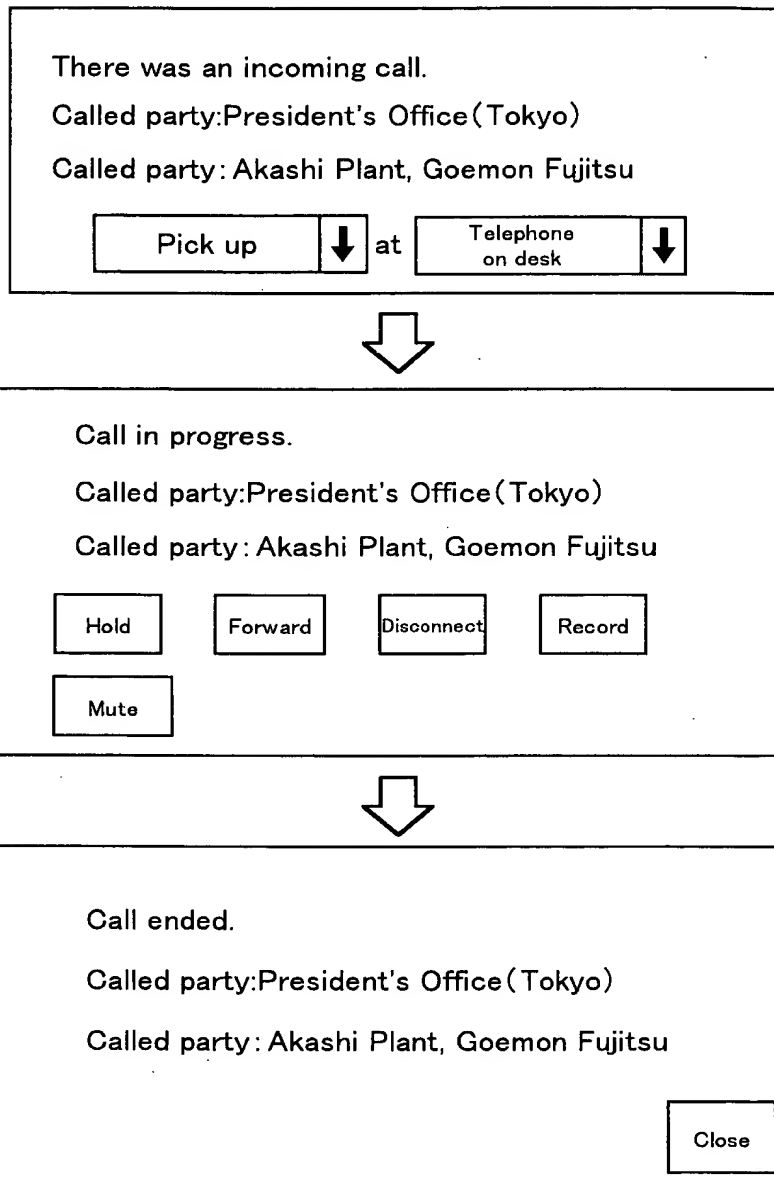


Fig. 11

CONTROL COMMAND(REPORT)

COMMAND TYPE	REQUESTING PARTY ADDRESS	CALL INDENTIFIER	CALLED PARTY ADDRESS	CALLING PARTY ADDRESS	COMMUNICATION STATE TYPE	RESULT	DETAILED
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Fig. 12

FLOW OF STATE NOTIFICATION PROCESSING

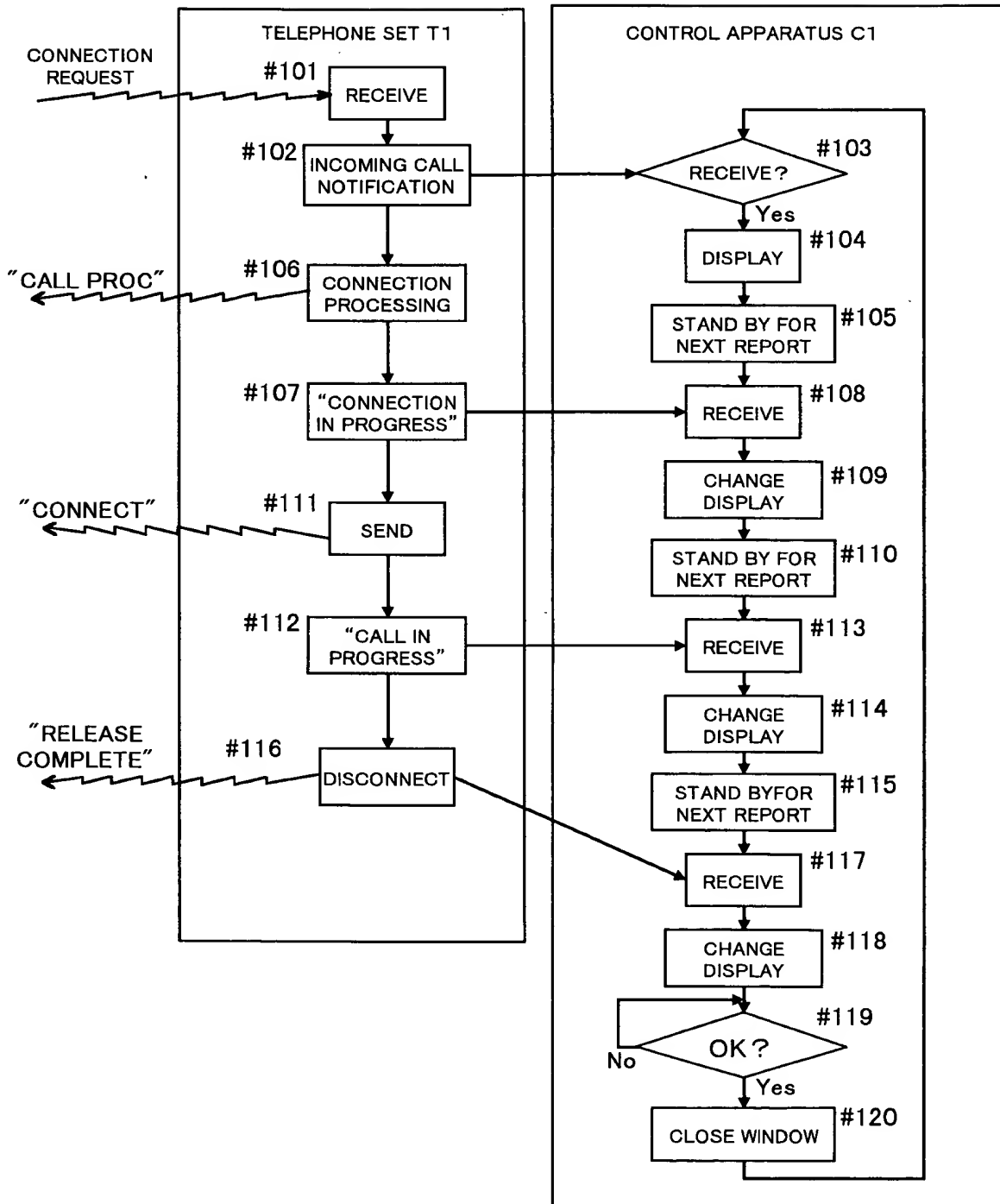


Fig. 13

EXAMPLE OF STATE NOTIFICATION IN ACCORDANCE WITH USER STATE

There was a telephone call

Time: 14:17

Called party: On the desk

Called party: Akashi Plant, Goemon Fujitsu

Call Back Register Close

Fig. 14

MAIN MENU

Connection request

Forward

Hold

Pick up

Automatically recorded messages list ▶

Set forwarding destination ▶

Communication log ▶

Set ▶

Volume

Create outgoing message ▶

Reject incoming calls/cancel rejection ▶

Fig. 15

CONNECTION WINDOW

SELECTION OF CALLING PARTY	SELECTION OF CONNECTION DESTINATION
<div style="border: 1px solid black; height: 120px; position: relative;"> <div style="position: absolute; top: 5px; left: 5px;">On the desk</div> <div style="position: absolute; top: 25px; left: 5px;">Vice President's Office (Osaka)</div> <div style="position: absolute; top: 45px; left: 5px; background-color: black; color: white;">President's Office (Tokyo)</div> </div>	<div style="border: 1px solid black; height: 120px; position: relative;"> <div style="position: absolute; top: 5px; left: 5px;">AAA Co., Taro Fujitsu</div> <div style="position: absolute; top: 25px; left: 5px; background-color: black; color: white;">AAA Co., Jiro Fujitsu</div> <div style="position: absolute; top: 45px; left: 5px;">BBB Co., Saburo Fujitsu</div> <div style="position: absolute; top: 65px; left: 50px;">⋮</div> <div style="position: absolute; top: 85px; left: 50px;">⋮</div> <div style="position: absolute; top: 105px; left: 50px;">⋮</div> <div style="position: absolute; top: 115px; right: 5px;">▼</div> </div>
<div style="border: 1px solid black; padding: 2px 10px;">President's Office</div>	<div style="border: 1px solid black; padding: 2px 10px;">Jiro Fujitsu</div>
<div style="display: inline-block; border: 1px solid black; padding: 5px 15px; margin: 0 10px;">Connect</div> <div style="display: inline-block; border: 1px solid black; padding: 5px 15px;">Cancel</div>	

Fig. 16

EXAMPLE OF CONTROL COMMAND(CONNECTION REQUEST)

COMMAND TYPE	CALL IDENTIFIER	CONNECTION DESTINATION ADDRESS	REQUESTING PARTY ADDRESS	RESULT	DETAIL
-----------------	--------------------	--------------------------------------	--------------------------------	--------	--------

Fig. 17

EXAMPLE OF CONTROL
COMMAND(CONNECTION REQUEST)

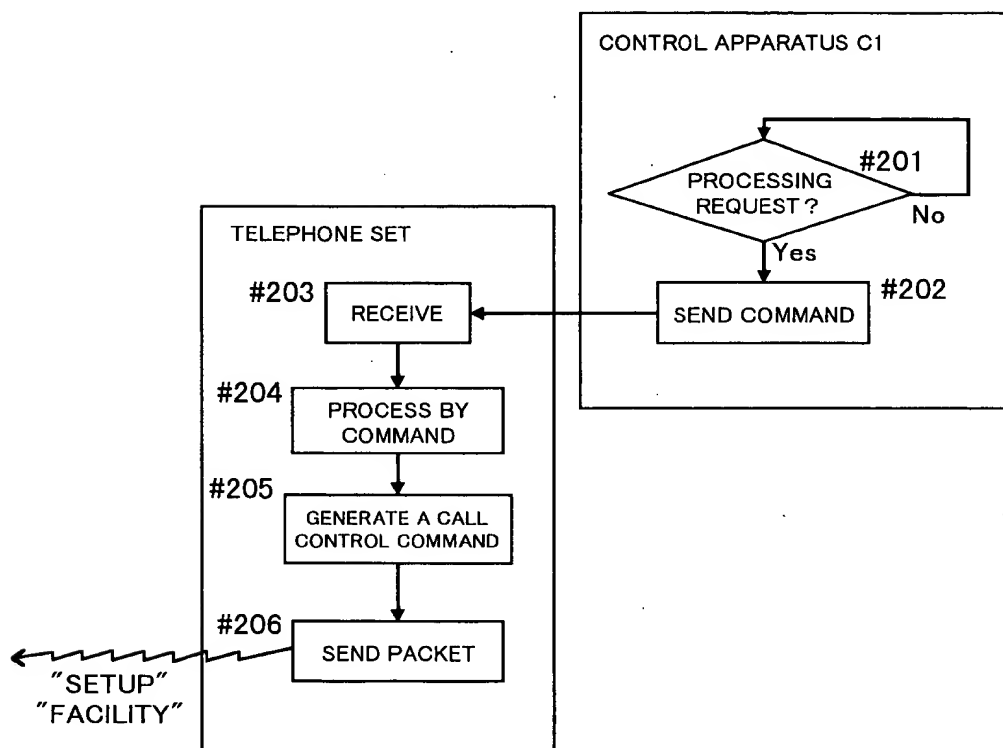


Fig. 18

MAIN MANU

Connection request	
Forward	
Pick up	
Hold	
Recorded messages list	▶
Set forwarding destination	▶
Communication log	▶
Set	▶
Volume	
Create outgoing message	▶
Reject incoming calls/cancel rejection	▶



FOWARD WINDOW

SELECTION OF FORWARD SQUECE	SELECTION OF FORWARDING DESTINATION
<div>On the desk</div> <div>President's Office (Tokyo)</div> <div>Vice President's Office (Osaka)</div>	<div>On the desk</div> <div>President's Office (Tokyo)</div> <div>VicePresident's Office (Osaka)</div>
<div>On the desk</div>	<div>President's Office</div>
<div>OK</div> <div>Cancel</div>	

Fig. 19

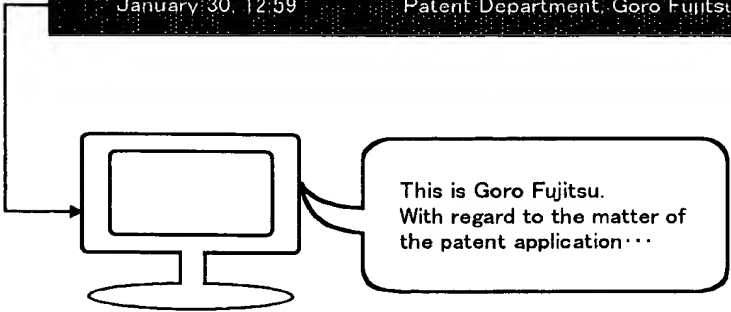
SELECTION LIST

Connection request	
Forward	
Hold	
Pick up	
Recorded messages list	▶ On the desk
Set forwarding destination	▶ President's Office (Tokyo)
	▶ Vice President's Office (Osaka)
Communication log	▶
Set	▶
Volume	
Create outgoing message	▶
Reject incoming calls/cancel rejection	▶

Fig. 20

RECORDED MESSAGES LIST

DATE AND TIME OF INCOMING CALL	CALLING PARTY
January 30, 9:10	06-6333-5555
January 30, 12:59	Patent Department, Goro Fujitsu



The recorded message may be
retrieved by double clicking

Fig. 21

EXAMPLE OF CONTROL COMMAND
(RETRIEVE RECORDED MESSAGES LIST)

COMMAND TYPE	REQUESTING PARTY ADDRESS	RESULT	DETAIL
-----------------	-----------------------------	--------	--------

Fig. 22

EXAMPLE OF CONTROL COMMAND
(RECORDED MESSAGES LIST)

COMMAND TYPE	REQUESTING PARTY ADDRESS	NUMBER OF RECORDED MESSAGES
-----------------	-----------------------------	--------------------------------

ONE FOR EACH
MESSAGE

MESSAGE NO.	RECORDING START TIME	RECORDING TIME	CALLING PARTY ADDRESS	CALLER INFORMATION
----------------	-------------------------	-------------------	--------------------------	-----------------------

MESSAGE NO.	RECORDING START TIME	RECORDING TIME	CALLING PARTY ADDRESS	CALLER INFORMATION
----------------	-------------------------	-------------------	--------------------------	-----------------------

RESULT	DETAIL
--------	--------

Fig. 23

EXAMPLE OF CONTROL COMMAND
(RETRIEVE RECORDED MESSAGE)

COMMAND TYPE	REQUESTING PARTY ADDRESS	MESSAGE NO.	RESULT	DETAIL
-----------------	-----------------------------	----------------	--------	--------

Fig. 24

EXAMPLE OF CONTROL COMMAND
(RETRIEVE RECORDED MESSAGE)

COMMAND TYPE	REQUESTING PARTY ADDRESS	CODING TYPE	MESSAGE LENGTH
-----------------	-----------------------------	----------------	-------------------

MESSAGE(VOICE DATA)

RESULT	DETAIL
--------	--------

Fig. 25

FLOW OF RECORDED MESSAGE OUTPUT PROCESSING

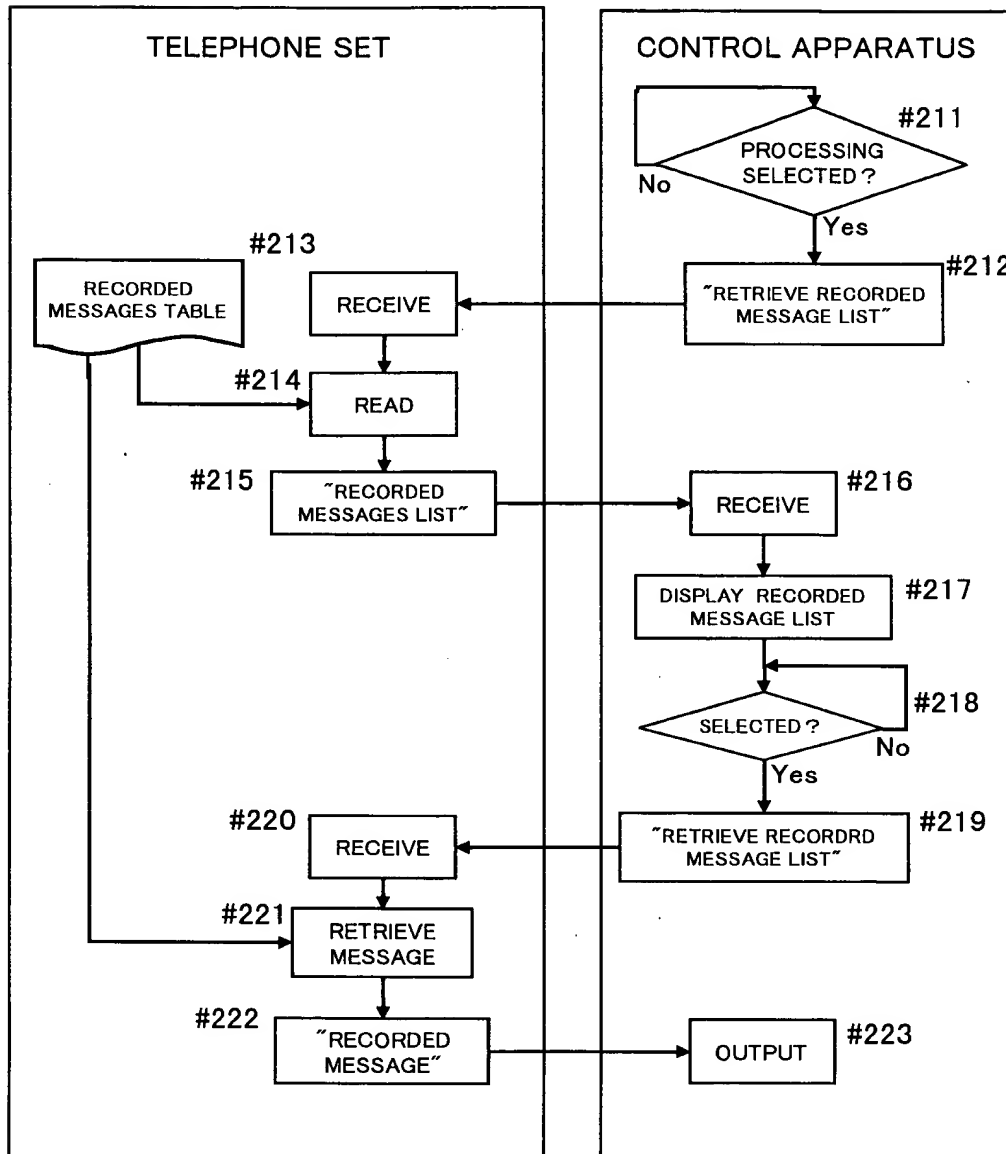


Fig. 26

Connection request	
Forward	
Hold	
Pick up	
Recorded messages list	▶
Set forwarding destination	▶ On the desk
Communication log	▶ President's Office (Tokyo)
Set	▶ Vice President's Office (Osaka)
Volume	
Create outgoing message	▶
Reject incoming calls/cancel rejection	▶



SET FORWARDING DESTINATION WINDOW

SETTING TARGET: Telephone set on the desk

SELECTION OF ISSUING PARTY	SELECTION OF FORWARDING DESTINATION
All	On the desk
Taro Fujitsu	President Office (Tokyo)
Jiro Fujitsu	Vice President's Office (Osaka)
Saburo Fujitsu	
Patent Department	
⋮	

Add

SET LIST		
CALLING PARTY	TIME	FORWARDING DESTINATION
Goemon Fujitsu	17:00-8:00	President's Office (Tokyo)
Saburo Fujitsu		Vice President's Office (Osaka)

Delete OK Cancel

Fig. 27

EXAMPLE OF CONTROL COMMAND(SET/CANCEL FORWARDING)

COMMAND TYPE	SET FUNCTION TYPE	SET FLAG
-----------------	----------------------	----------

REQUESTING PARTY ADDRESS	FORWARDING DESTINATION ADDRESS	FORWARDING DESTINATION INFORMATION
-----------------------------	-----------------------------------	--

RESULT	DETAIL
--------	--------

Fig. 28

SETTING OF FORWARDING DESTINATION
AND FORWARDING TO SET DISTINATION

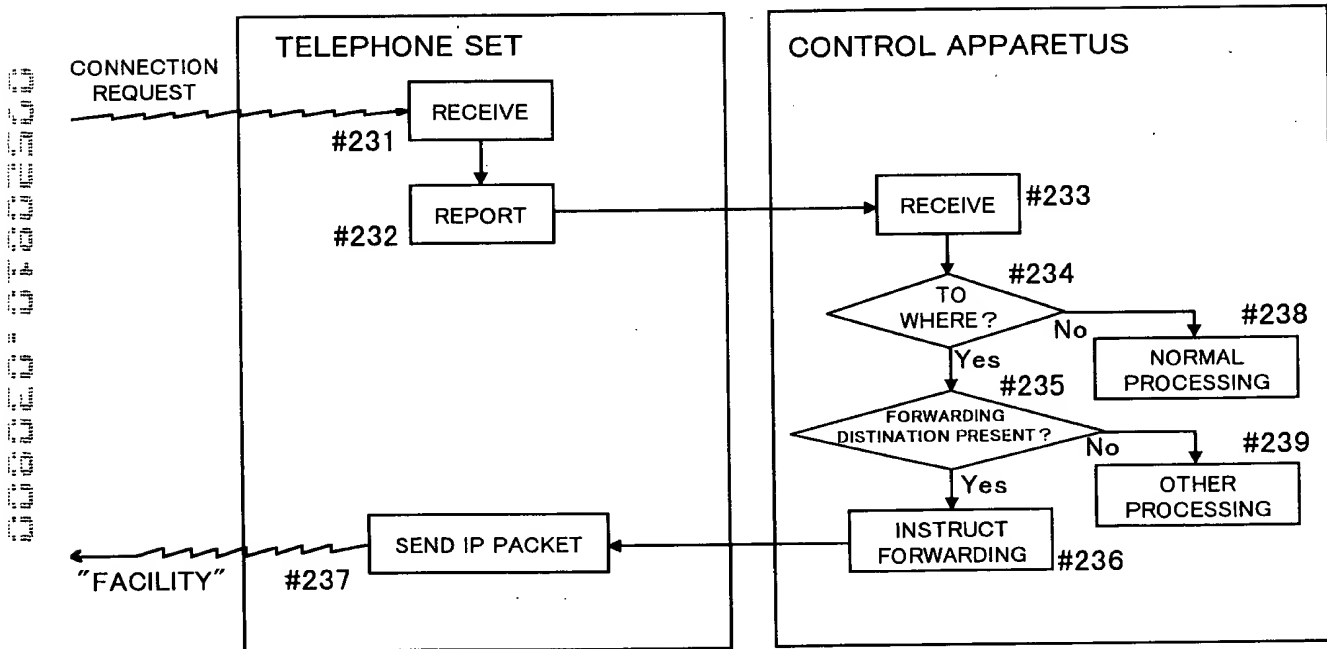


Fig. 29

Connection request	
Forward	
Hold	
Pick up	
Recorded messages list	▶
Set forwarding destination	▶
Communication log	▶
Set	▶
Volume	▶
Create outgoing message	▶
Reject incoming calls/cancel rejection	▶

On the desk
President's Office
Vice President's Office (Osaka)

COMMUNICATION LOG LIST

TELEPHONE SET ON THE DESK					
TIME OF OUTGOING/ INCOMING CALL	FLAG	SPEAKING TIME	CONNECTION DISTINATION ADDRESS	CONNECTION DISTINATION INFORMATION	RESULT
January 30, 9:10	Incoming	03:15	10.254.212.15		Successful
January 30, 9:20	Outgoing	00:31	10.254.211.19	Kawasaki Plant, Patent Dept.	„
January 30, 10:01	Incoming	01:42	10.254.211.14	AAA Co., Taro Fujitsu	„
January 30, 10:30	Incoming	04:08	10.254.211.16	BBB Co., Saburo Fujitsu	„
⋮	⋮	⋮	⋮	⋮	⋮

Connect

Print

OK

Cancel

Fig. 30

EXAMPLE OF CONTROL COMMAND(RETRIEVE COMMUNICATION LOG)

COMMAND TYPE	REQUESTING PARTY ADDRESS	OUTGOING/ INCOMING FLAG	RESULT	DETAIL
-----------------	-----------------------------	----------------------------	--------	--------

Fig. 31

EXAMPLE OF CONTROL COMMAND(COMMUNICATION LOG)

COMMAND TYPE	REQUESTING PARTY ADDRESS	NUMBER OF OUTGOING/ INCOMING CALLS IN LIST
-----------------	-----------------------------	---

COM- MUNI- CATION NO.	OUTGOING/ INCOMING FLAG	SUCCESS FLAG	OUTGOING/ INCOMING TIME	SPEAKING TIME	CONNECTION DESTINATION ADDRESS	OPPOSITE PARTY INFORMATION
--------------------------------	-------------------------------	-----------------	-------------------------------	------------------	--------------------------------------	----------------------------------

COM- MUNI- CATION NO.	OUTGOING/ INCOMING FLAG	SUCCESS FLAG	OUTGOING/ INCOMING TIME	SPEAKING TIME	CONNECTION DESTINATION ADDRESS	OPPOSITE PARTY INFORMATION
--------------------------------	-------------------------------	-----------------	-------------------------------	------------------	--------------------------------------	----------------------------------

RESULT	DETAIL
--------	--------

ONE FOREACH
OUTGOING/
INCOMING
CALL

Fig. 32

FLOW OF COMMUNICATION LOG ACQUISITION PROCESSING

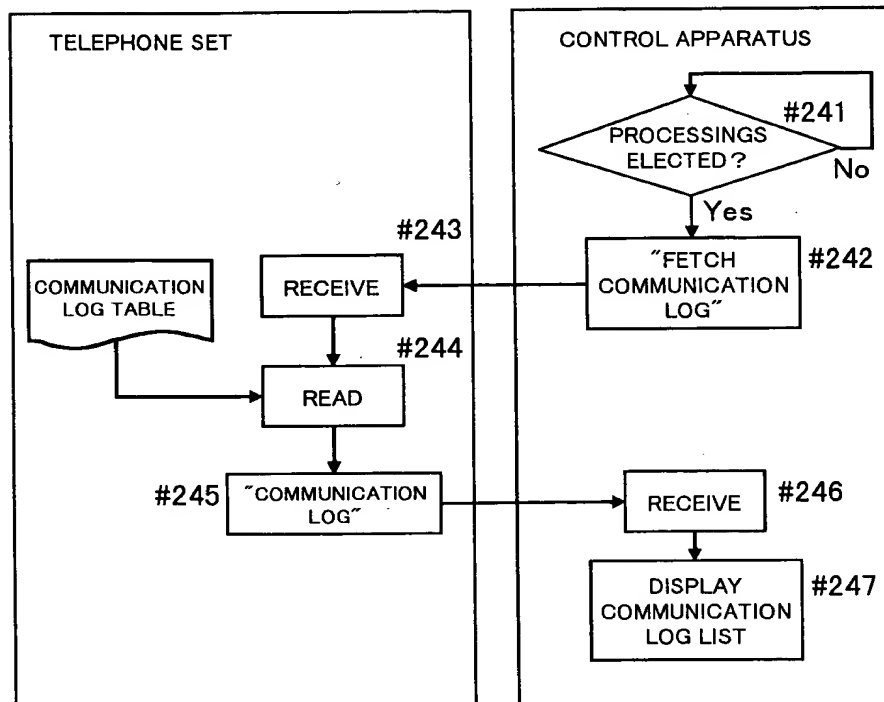


Fig. 33

Communication request		
Forward		
Hold		
Pick up		
Recorded messages list	▶	
Set forwarding destination	▶	
Communication log	▶	
Set	▶	On the desk Button1
Volume		President's Office (Tokyo) Button2
Create outgoing message	▶	Vice President's Office(Osaka) Button3
Reject incoming calls/cancel rejection	▶	Display

Fig. 34

SET BUTTON WINDOW

President's Office		
BUTTON STATE SELECTION		
Off		
On		
Flashing		
BUTTON STATE		
On		
COLOR SELECTION		
Green		
Red		
DISPLAY ITEM SELECTION		
You have e-mail		
You have message		
⋮		
DISPLAY ITEM		
You have e-mail		
<div>OK</div> <div>Cancel</div>		

Fig. 35

EXAMPLE OF CONTROL COMMAND(SET)

COMMAND TYPE	SET FUNCTION TYPE	SET FLAG	REQUESTING PARTY ADDRESS	
BUTTON IDENTIFIER	DISPLAY COLOR TYPE	DISPLAY PATTERN	CHARACTER LENGTH	DISPLAY CHARECTER DATA
RESULT	DETAIL			

Fig. 36

EXAMPLE OF CONTROL COMMAND
(INPUT INFORMATION)

COMMAND TYPE	REQUESTING PARTY ADDRESS	INPUT DEVICE TYPE	RESULT	DETAIL
-----------------	-----------------------------	----------------------	--------	--------

Fig. 37

Connection request	
Forward	
Hold	
Recorded message list	
Set forwarding destination	▶
Communication log	▶
Set	▶
Volume	
Create outgoing message	▶
Reject incoming calls/cancel rejection	▶



SET VOLUME WINDOW

SELECTION OF TELEPHONE TO BE SET	VOLUME SELECTION	STONE SELECTION														
<table border="1"><tr><td>On the desk</td></tr><tr><td>President's Office</td></tr><tr><td>Vice President's Office</td></tr></table>	On the desk	President's Office	Vice President's Office	<table border="1"><tr><td>LOW</td><td>1</td></tr><tr><td></td><td>5</td></tr><tr><td>HIGH</td><td>10</td></tr></table>	LOW	1		5	HIGH	10	<table border="1"><tr><td>Gong</td></tr><tr><td>Clock</td></tr><tr><td>Bell</td></tr><tr><td>Song</td></tr><tr><td>Option</td></tr></table>	Gong	Clock	Bell	Song	Option
On the desk																
President's Office																
Vice President's Office																
LOW	1															
	5															
HIGH	10															
Gong																
Clock																
Bell																
Song																
Option																
TELEPHONE TO BE SET	VOLUME	STONE														
<table border="1"><tr><td>President's Office</td></tr></table>	President's Office	<table border="1"><tr><td>5</td></tr></table>	5	<table border="1"><tr><td>Bell</td></tr></table>	Bell											
President's Office																
5																
Bell																
<table border="1"><tr><td>OK</td></tr></table>		OK	<table border="1"><tr><td>Cancel</td></tr></table>	Cancel												
OK																
Cancel																

Fig. 39

Connection request	
Forward	
Hold	
Recorded message list	▶
Set forwarding destination	▶
Communication log	▶
Set	▶
Volume	
Create outgoing message	▶ On the desk
Reject incoming calls/cancel rejection	▶ President's Office (Tokyo) Vice President's Office



CREATE OUTGOING MESSAGE WINDOW

SELECTION OF CALLING PARTY	
<div>CCC Co., Hanako Fujitsu</div> <div>DDD Co., Shiro Fujitsu</div> <div>Other</div>	<div>MESSAGE»</div>
ISSUED TO	OUTGOING MESSAGE
<div>Hanako Fujitsu</div>	<div>Absent today due to business trip</div> <div>Presently in a meeting.</div> <div>Telephone to _____</div> <div>Will return your call.</div>
	<div>OK</div> <div>Cancel</div> <div>Reset</div>

Fig. 40

EXAMPLE OF CONTROL COMMAND
(CREATE MESSAGE)

COMMAND TYPE	SET FUNCTION TYPE	SET FLAG	REQUESTING PARTY ADDRESS	CALLING PARTY ADDRESS
CODING TYPE	MESSAGE LENGTH	MESSAGE DATA		
RESULT	DETAIL			

Fig. 41

FLOW OF PROCESSING FOR THE CASE WHEREIN THE CONTROL APPARATUS IS PROVIDED WITH AN OUTGOING MESSAGE

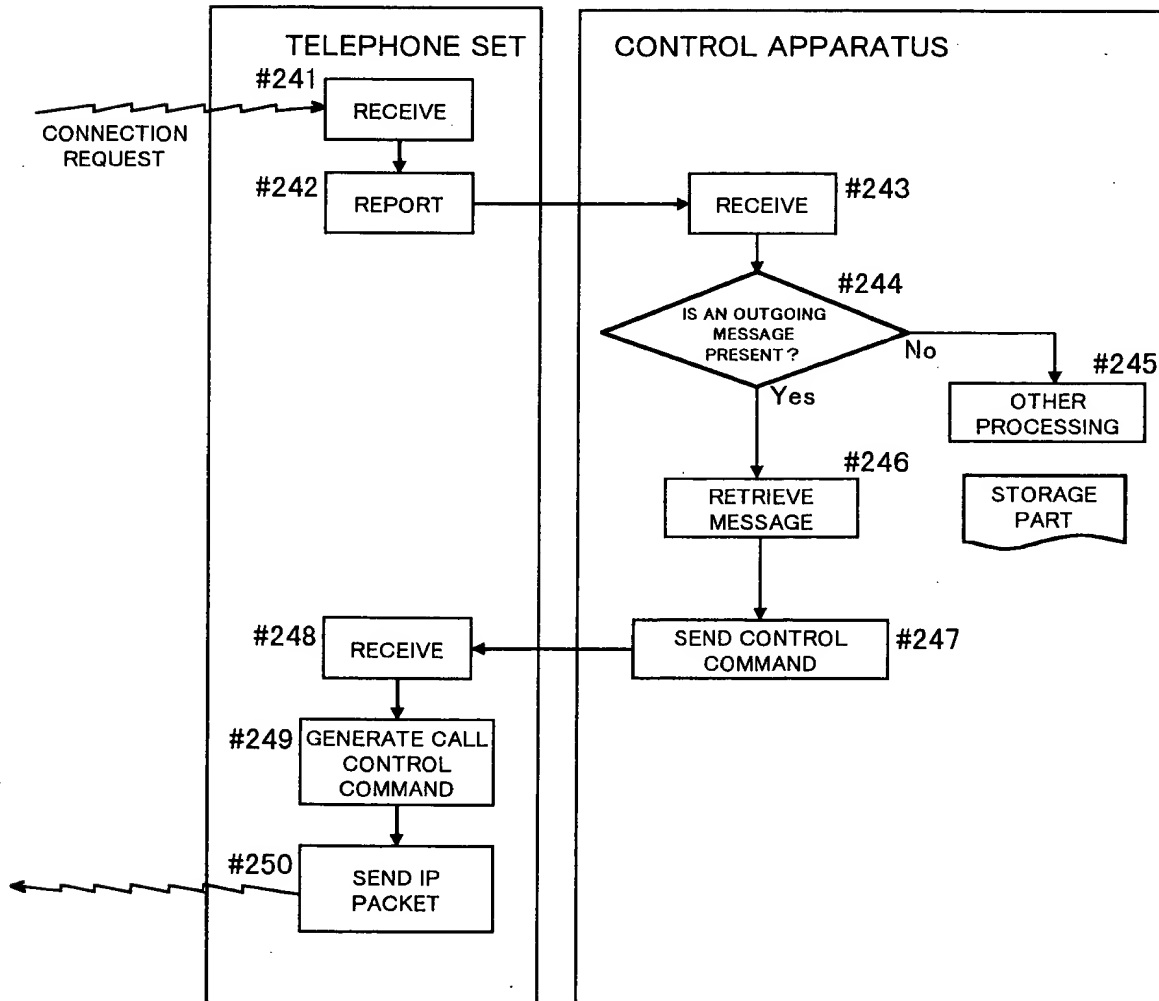


Fig. 42

Connection request	
Forward	
Hold	
Pick up	
Recorded messages list	▶
Set forwarding destination	▶
Communication log	▶
Set	▶
Volume	
Create outgoing message	▶
Reject incoming calls/cancel rejection ▶	On the desk
	President's Office(Tokyo)
	Vice President's Office(Osaka)

REJECT INCOMING CALLS/
REJECTION WINDOW



TARGET:Telephone on the desk

SELECTION OF CALLING PARTY	CALLING PARTY
All	
Jiro Fujitsu	This telephone number is presently not in use.
⋮	The telephone number has changed. The new number is ⋯

Add

SET LIST	
CALLING PARTY	SELECTION OF MESSAGE
Saburo Fujitsu	The telephone number has changed. The new telephone number is⋯
Jiro Fujitsu	This telephone number is presently not in use.

Fig. 43

FLOW OF INCOMING CALL
REJECTION PROCESSING

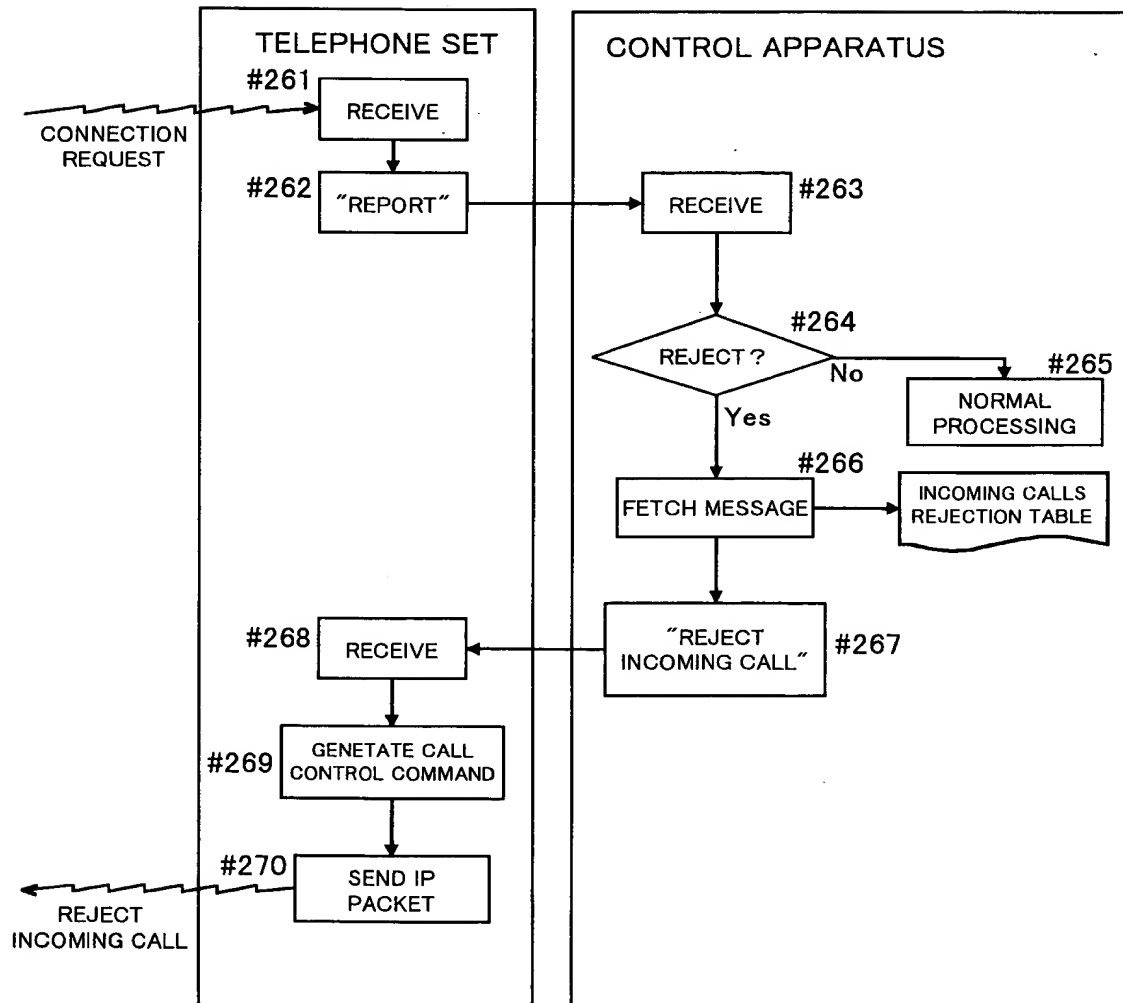


Fig. 44

EXAMPLE OF CONTROL COMMAND
(REJECTION OF INCOMING CALLS AND
CANCELLATION OF REJECTION)

COMMAND TYPE	CALL IDENTIFIER	REQUESTING PARTY ADDRESS
-----------------	--------------------	-----------------------------

CODING TYPE	MESSAGE LENGTH	MESSAGE DATA
----------------	-------------------	--------------

RESULT	DETAIL
--------	--------

Fig. 45

OPERATION PANEL WINDOW

TELEPHONE SET ON DESK

HOLD

RESPOND

PICK UP

FORWARD

1

2

3

4

5

6

7

8

9

*

0

#

EXTEN-
SION

OUTSIDE
LINE

REG-
ISTER

FUNCTION1

FUNCTION2

SPEAKER

HOOK

SPEED
DIAL

Fig. 46

EXAMPLE OF CONTROL COMMAND
(REPORT INPUT DEVICES)

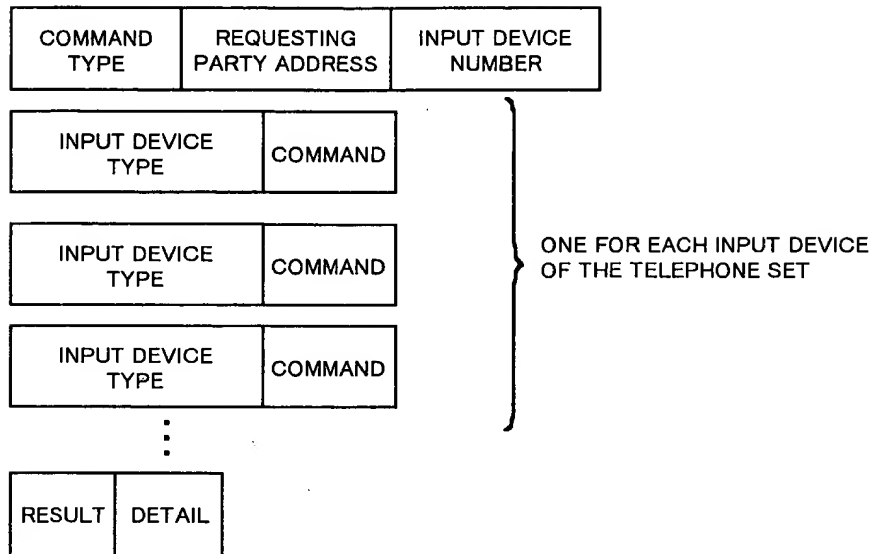


Fig. 47

EXAMPLE OF CONTROL COMMAND
(COMMUNICATION STATE NOTIFICATION)

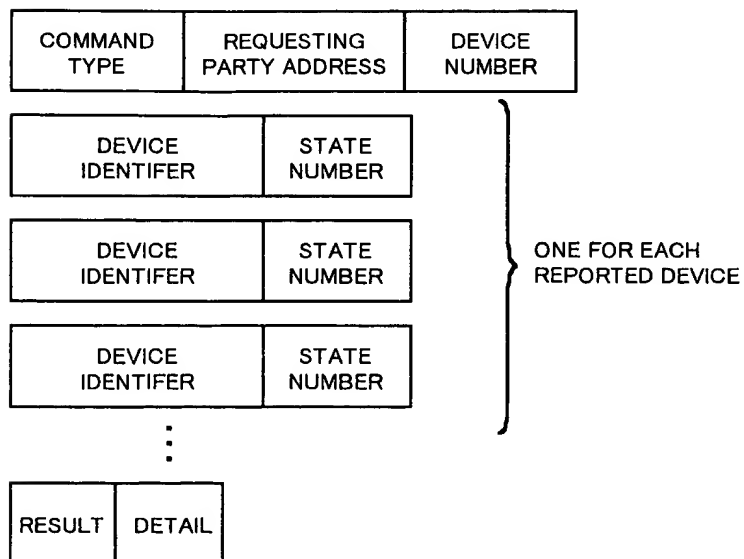


Fig. 48

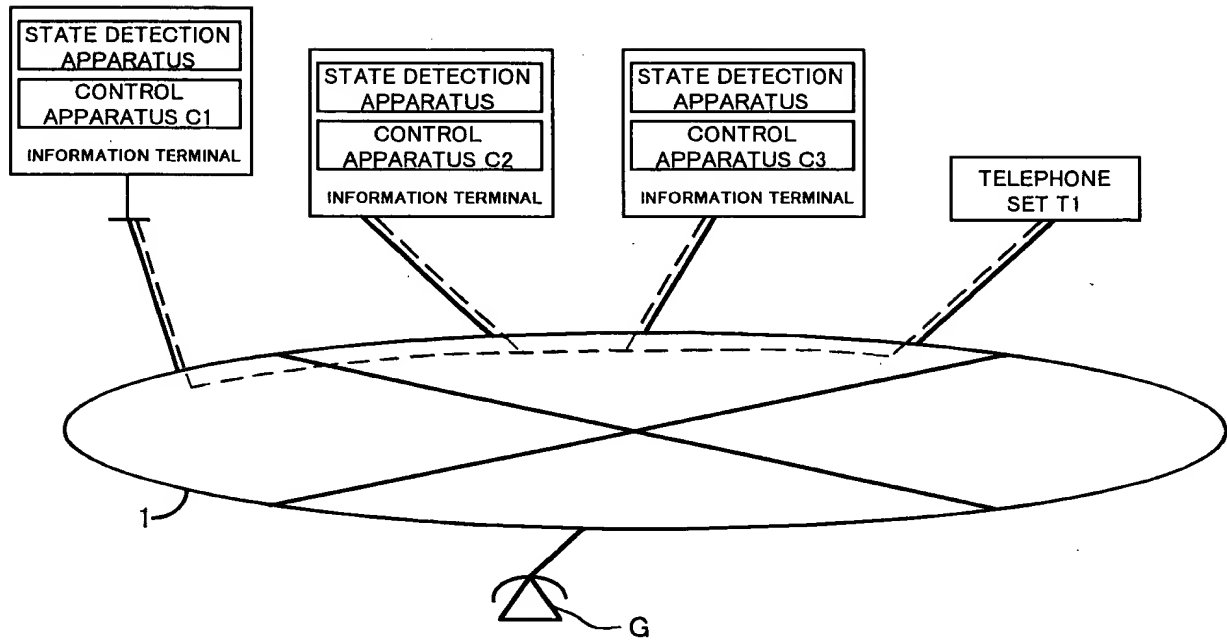


Fig. 49

EXAMPLE OF CONTROL COMMAND(INPUT)

COMMAND TYPE	REQUESTING PARTY ADDRESS	INPUT NO.	INPUT DEVICE TYPE	RESULT	DETAIL
-----------------	-----------------------------	--------------	----------------------	--------	--------

(SEVERAL INPUT DEVICE
TYPES MAY BE INCLUDED)